

II. CLAIMS

1. (Previously Presented) A method for expressing an affective state of a caller and/or a called party to a conversation partner in communication by telephone, where the caller and called party send each other messages wherein during the communication, the caller or called party receiving the message hears a musical composition representing the affective state of the caller or called party sending the message.
2. (Previously Presented) A method according to claim 1 wherein the messages of the caller and called party are speech messages.
3. (Previously Presented) A method according to claim 1 wherein the communication takes place in a system comprising equipment of an operator switching calls and in which system at least one phone is a cellular phone.
4. (Previously Presented) A method according to claim 3 wherein the phone of the caller is a cellular phone and that the musical composition is attached to the message sent by the caller in the caller's cellular phone.
5. (Previously Presented) A method according to claim 4 wherein the musical composition is transferred together with the message on the same audio channel from the cellular phone of the caller to the phone of the called party.

6. (Previously Presented) A method according to claim 3 wherein the phone of the called party is a cellular phone and that the musical composition is attached to the message sent by the caller in the cellular phone of the called party.

7. (Previously Presented) A method according to claim 6 wherein there is transferred from the cellular phone of the caller to the cellular phone of the called party an identifier on the basis of which the musical composition is selected.

8. (Previously Presented) A method according to claim 7 wherein the identifier specifies the name of the musical composition.

9. (Previously Presented) A method according to claim 7 wherein the identifier specifies the affective state of the caller.

10. (Previously Presented) A method according to claim 3 wherein the musical composition is attached to the message sent by the caller in the equipment of the operator switching the call.

11. (Previously Presented) A method according to claim 10 wherein there is transferred from the cellular phone of the caller to the operator an identifier on the basis of which the musical composition is selected.

12. (Previously Presented) A method according to claim 11 wherein the identifier specifies the name of the musical composition.

13. (Previously Presented) A method according to claim 11 wherein the identifier specifies the affective state of the caller.

14. (Previously Presented) A method according to claim 3 wherein the phones of the caller and called party are cellular phones and from the cellular phone of the caller to the cellular phone of the called party there is sent a file which contains a musical composition stored in electric form.

15. (Previously Presented) A method according to claim 14 wherein the musical composition is set to be played on the cellular phone of the called party.

16. (Previously Presented) A method according to claim 14 wherein the musical composition is set to be played on a separate sound reproducing apparatus connected to the cellular phone of the called party.

17. (Previously Presented) A system for expressing an affective state of a caller and/or called party to the conversation partner during the conversation in communication by telephone, where the caller and called party send each other messages, which system comprises at least one cellular phone and the equipment of an operator switching calls, wherein the system

further comprises a directory storing musical compositions representing various affective states and a menu for selecting musical compositions in the directory.

18. (Previously Presented) A system according to claim 17 wherein the musical compositions are stored in the directory in electric form.

19. (Previously Presented) A system according to claim 17 wherein the musical compositions are stored in the directory in the form of midi or mp3 files.

20. (Previously Presented) A system according to claim 17 wherein the directory is in the cellular phone of the caller.

21. (Previously Presented) A system according to claim 17 wherein the directory is in the cellular phone of the called party.

22. (Previously Presented) A system according to claim 17 wherein the directory is in the equipment of the operator.

23. (Previously Presented) A system according to claim 17 wherein the menu is arranged to be at least in the cellular phone of the caller.

24. (Withdrawn) A system according to claim 17 wherein the system further comprises an automatic state of mind recognizer.

25. (Withdrawn) A system according to claim 24 wherein the automatic state of mind recognizer is arranged to be in the cellular phone of the caller.

26. (Withdrawn) A system according to claim 24 wherein the automatic state of mind recognizer is arranged to be in the cellular phone of the called party.

27. (Withdrawn) A system according to claim 24 wherein the automatic state of mind recognizer includes a set of sensors measuring the bodily functions of the user of the phone and a decoding device which processes the measurement results produced by the sensors.

28. (Withdrawn) A system according to claim 27 wherein the automatic state of mind recognizer includes an EMG sensor for measuring the tension of neck muscles.

29. (Withdrawn) A system according to claim 27 wherein the automatic state of mind recognizer includes a respiration sensor for measuring the respiration rate and depth of breathing.

30. (Withdrawn) A system according to claim 27 wherein the automatic state of mind recognizer includes a GSR sensor for measuring the electrical conductivity of skin.

31. (Withdrawn) A system according to claim 27 wherein the automatic state of mind recognizer includes a BVP sensor for measuring the blood flow rate.

32. (Withdrawn) A communication device comprising means for sending and receiving messages to and from a receiving communication device further comprising means for setting a musical composition to be heard in the receiving communication device during the communication, which musical composition represents an affective state of a sender of the message.

33. (Withdrawn) A communication device according to claim 32 comprising a directory for storing musical compositions representing various affective states and a menu for selecting a musical composition from the directory.

34. (Withdrawn) A communication device according to claim 33 comprising means for attaching the musical composition to a message which is to be sent from a sending communication device to a receiving communication device.

35. (Withdrawn) A communication device according to claim 33 comprising means for attaching an identifier on basis of which the musical composition is to be selected from the directory to the message which is to be sent from a sending communication device to a receiving communication device.

36. (Withdrawn) A communication device according to claim 35 comprising means for receiving an identifier attached to a

received message and means for selecting the musical composition to be played from the directory on basis of the identifier.